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PATENT ABSTRACTS OF JAPAN

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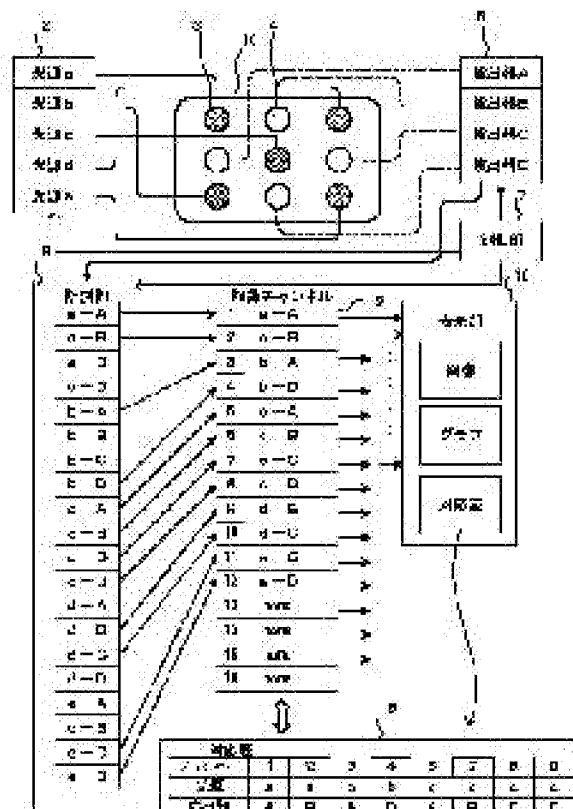
(72)Inventor : TSUNASAWA YOSHIO
SAKAUCHI HISAFUMI

(54) MULTICHANNEL PHOTOMETRIC INSTRUMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To enable the free setting or selection of a proper combination corresponding to a measuring purpose and to increase the number of measuring points on an object to be inspected without increasing the number of light sources or detectors.

SOLUTION: Each combination formed by one light transmitting point among a plurality of light transmitting points and one light receiving point among a plurality of light receiving points, or one light source and one detector is allowed to correspond to one of a large number of recording channels separately prepared by a correspondence table capable of being set by an operator. The light source and the light transmitting point as well as the light receiving point and the detector are connected by branched light guide bodies, and the light passing through the same branched light guide body is separated to be measured. By this constitution, the photometry between the light transmitting and receiving points



corresponding to a large number of channels is performed by a reduced number of light sources and detectors.

	1	2	3	4	5	6	7	8
1	1	2	3	4	5	6	7	8
2	2	4	6	8	10	12	14	16
3	3	6	9	12	15	18	21	24
4	4	8	12	16	20	24	28	32
5	5	10	15	20	25	30	35	40
6	6	12	18	24	30	36	42	48
7	7	14	21	28	35	42	49	56
8	8	16	24	32	40	48	56	64